

Employment

Software Developer – Core Covers (2010 – Current)

Web Developer	Developed Web Applications (Front-end and Back-end) that allow customers and employees to place and process incoming orders in an efficient and easy manner; <i>maintaining the number of required employees to perform such tasks at 3.</i>
Interaction Designer	Designed the graphical user interfaces for internal applications (new and existing including web) and how the user interacts with them, this involved close communication with the users and detailed observation on how the user performed tasks before using the developed software. <i>Reducing the complexity and time required for such tasks</i>
Information Architect	Organize, collect and categorize the information produced across departments; followed with system proposals (and implementations) that would make effective use of the created knowledge by streamlining operations (automation) or cost reduction.
Database Administrator	Designed and maintained the databases used by web applications and manufacturing applications, made minor optimizations and normalized (3NF) them.
Server Administrator	Installed, configured and managed the necessary software to host internal web applications and third party applications that support business processes. Installed and configured local DNS, NTP, Web, Database and firewall services.

Skills

Languages	English: Fluent (can communicate technical ideas), Spanish: First language		
Programming Languages	3 Years: Java, <i>Javascript</i> , HTML, CSS, SQL (MySQL Dialect), Bash.	Technologies	Git, CVS, ftppure, Nginx, Apache 2, Roundup Issue Tracker, MoinMoin Wiki, Ubuntu/Debian (Server and Desktop), Windows (95 – 7)
	1.5 Years: Python.		
	1 Year: PHP, C. C# (2 months)		
Frameworks	<i>jQuery</i> , Java Servlets, Tryton ERP		

Relevant Projects

Web Application: PHP, Javascript, jQuery, CSS, HTML, MySQL: A web application in which customers placed orders that were then validated and processed by customer service. After the order was valid it was downloaded into the production system.

Incorporating all of the functionality (and adding more) contained in the projects mentioned below. It also supports shipping processes and order progress tracking for the customers and sends notifications

Web API: Java Servlets, HTML, JSON: A web service API that exposes the information contained in the local manufacturing system. It queries an MS Access database using a custom built C# client. It produces output in the JSON format.

Web Application: Java Servlets, Javascript, jQuery, CSS, HTML, MySQL: A web application that allowed customers to place orders customer service would then validated by customer service. After the order was valid it was downloaded into the production system.

Web Application: Java Servlets, Javascript, jQuery, CSS, HTML, MySQL: A web application in which the customer placed warranty claims (provided information included: purchase order, product pictures, product information). The claim was later verified by customer service, afterwards the claim would be approved or denied by business owners as it implied an order remake without charge.

Education

2008 – Present	Computer Engineering , <i>Universidad Autonoma de Baja California</i> , Tijuana. Algorithms; Object Oriented Programming; Interaction Design; Artificial Intelligence; Computer Architecture; CUDA Development; Agent-Based Modelling (Fuzzy Agents); Databases; Operating Systems (Architecture and elements);
2005 – 2008	Computer Technician , <i>Centro de Estudios Tecnológicos Industrial y de Servicios Número 58</i> , Tijuana.